LABDEX

Manifold Freeze Dryer LX2000MFD

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Description

Manifold Freeze Dryer LX2000MFD is a table top unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -50°C. Build with four trays with a bulk capacity of 1.2 L allowing any shape or size of sample to be freeze dried. It has big opening condenser with external coiling tubes facilitates pre-freezing function. It has Color LCD touch screen displays running time, display sample temperature, condenser temperature, vacuum degree, and save data automatically.

Specifications

Condenser temperature	-50°C
Condenser capacity	3 to 4 kg / 24 h
Freeze drying area	0.12 Sq.m
Bulk capacity	1.2 L, 10 mm thickness
Vial capacity	Φ 12 mm: 820 pieces Φ 16 mm: 460 pieces Φ 22 mm: 244 pieces
Manifold	8 ports
Flasks	1000 ml 500 ml 250 ml 100 ml 50 ml 600 ml wide neck flask 1200 ml wide neck flask
Condenser size	Φ 215 mm, 140 mm deep
Cooling	Air cooling
Ambient temperature	≤25°C
Defrosting	Off cycle defrosting
Trays	4 layers
Tray dimension	Φ 200 mm
Tray spacing	70 mm
Vacuum pump flow rate	7.2m3 / h; 2L/S

Vacuum	< 10 PA
Power	970 W
Voltage	220V/50 Hz; 110V/60Hz; 120V/ 60Hz
Dimensions	610 x 450 x (370 + 460) mm
Weight	80 kgs

Features

- Condenser temperature -50°C
- Color LCD touch screen display, display of sample temperature, vacuum curve degree, cold trap temperature curve
- Acrylic drying Chamber is safe and easy to view sample status
- High pumping speed vacuum pump
- Pre-freezing function
- Anti-corrosive stainless steel air inlet valve
- USB port to output freeze drying data.

Applications

- It is use for preserving a wide variety of heat-sensitive materials such as proteins, microbes, pharmaceuticals, tissues & plasma.

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